

California Regional Water Quality Control Board
North Coast Region

ORDER NO. R1-2000-91
I.D. NO. 1A93005RSIS

WASTE DISCHARGE REQUIREMENTS

FOR

McKOEN AND ASSOCIATES, LLC
HATFIELD INGREDIENT-FLAKE POTATO PROCESSING PLANT

Siskiyou County

The California Regional Water Quality Control Board, North Coast Region (hereinafter Regional Water Board), finds that:

1. On September 15, 2000, McKoen & Associates, LLC (hereinafter discharger) submitted a report of waste discharge as the new owner and operator of the Hatfield Ingredient-Flake Potato Processing Plant near Tulelake, California. The plant was formerly owned and operated by Basic American Foods. The plant and wastewater disposal facilities are located on Highway 139 adjacent to the Lost River and the Oregon Border as shown on Attachment "A" incorporated herein and made a part of this Order.
2. Wastewater generated at the facility is derived from washing, cooking, and dehydration of potatoes to produce an ingredient material for further processing by other manufacturers. The projected quality and quantity of effluent is as follows:

Chemical Oxygen Demand (COD)

Average Daily Mass Loading	13,700 lbs/day
Annual Mass Loading	3,425,000 lbs
Annual Mass Loading/acre (100 acres)	34,250 lbs./yr.
Annual Daily Average Mass Loading	94 lbs./ac/day

Hydraulic (Volume of Effluent)

Average Daily Flow	300,000 gal/day (gpd)
Annual Volume @ 250 working days	75 million gallons
	2,762 acre-inches
Annual Application on 100 acres	27.6 inches

Average Month @ 30 days/month

3.3 in/ac/mo. (0.11 in/d)

3. The discharger has developed 100 acres with contour and perimeter dikes, irrigation distribution and application equipment (including freeze-proof, center-pivot, drop-tube sprinkler systems), and grass crop (canary reed grass or tall fescue) for reliable wastewater treatment and disposal. During processing, some of the silt-laden flume water from potato washing is conveyed to a percolation pond. All the wastewater is screened and/or filtered prior to final disposal. There are no surface water discharges and all wastewater is reused for irrigation.
4. Solid residuals in the form of dirt, rocks, vines, cull potatoes, and screenings are generated and managed as either solid waste or cattle feed. The discharger has arranged for removal and disposal of all organic waste potato solids as cattle feed in a manner that will not produce a public nuisance.
5. This facility falls under the Standard Industrial Code of 2034 for which storm water regulations have been promulgated pursuant to 40 CFR Part 122.26(b)(14). Materials processed at this facility are not exposed to storm water; therefore, this facility is not subject to those storm water regulations. Storm water discharges from office buildings and accompanying parking lots are exempt from those regulations. There is no industrial storm water runoff from this facility. All internal site runoff is totally contained.
6. The Water Quality Control Plan for the North Coast Region includes water quality objectives, receiving water limitations, and prohibitions for the Klamath River and its tributaries, including the Lost River System.
7. Beneficial uses of the Lost River include:
 - a. agricultural supply
 - b. groundwater recharge
 - c. freshwater replenishment
 - d. water contact recreation
 - e. noncontact water recreation
 - f. warm freshwater habitat
 - g. wildlife habitat
8. Beneficial uses of the areal groundwaters include:
 - a. municipal and domestic supply
 - b. agricultural supply
 - c. industrial service supply
9. The discharge is presently governed by Waste Discharge Requirements Order No. 99-40, adopted by the Regional Water Board on July 21, 1999.

10. The project is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) as an existing facility involving no or negligible expansion of use (Title 14, California Code of Regulations, Section 15301).
11. The permitted discharge is consistent with the provisions of State Water Resources Control Board Resolution No. 68-16, "Statement of Policy with Respect to Maintaining High Quality of Waters in California". The impact on existing water quality will be insignificant.
12. The Regional Water Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
13. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 99-40 is rescinded and that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. DISCHARGE PROHIBITIONS

1. There shall be no discharge of waste to the Lost River or its tributaries or to the Tulelake Irrigation District drain system.
2. The discharge of waste to land that is not under the control of the discharger is prohibited, except as authorized under **C. SOLIDS DISPOSAL** below.
3. The discharge of any waste not specifically regulated by this Order is prohibited.
4. Creation of a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited.
5. Irrigation is prohibited in disposal areas where piezometer readings show groundwater levels within two feet of the ground surface.
6. The discharge of untreated waste from anywhere within the waste treatment/irrigation system, or disposal facility is prohibited.
7. Wastewater shall not be applied at a rate and volume that exceeds vertical and lateral percolation capacity, vegetative demand (nondormant season) and soil moisture requirements. Ponding of wastewater on land application areas when

soil temperature exceeds 40° F is prohibited. Overwatering that results in surface runoff is prohibited. Pipelines shall be maintained to prevent leaks.

B. DISCHARGE SPECIFICATIONS

1. Waste ponded within the percolation pond shall not have a dissolved oxygen content of less than 1.0 mg/l.
2. Discharge to the percolation pond shall be terminated when the freeboard decreases to 1.0 feet.
3. The discharge of waste shall not cause pollution of groundwater.
4. The daily mean flow of waste shall not exceed 300,000 gallons per day averaged over a calendar month.

C. SOLIDS DISPOSAL

1. Collected screenings, sludges, and other solids (except cattle feed byproducts) removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with provisions of Title 27, of the California Code of Regulations or as waived pursuant to Section 13269 of the California Water Code.

D. GENERAL PROVISIONS

1. Prior to the start of operation each year, the discharger shall identify purchasers of stockfeed and provide the Regional Water Board with copies of waste purchase agreements.
2. The discharger shall ensure prompt removal of all slurry waste for stockfeed purposes and shall maintain control of said waste in a manner that complies with these discharge specifications.
3. A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.
4. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

5. Operation and Maintenance

The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

6. Change in Discharge

The discharger shall promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

7. Change in Ownership

In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this office.

8. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from his liability under federal, state, or local laws, nor create a vested right for the discharger to continue the waste discharge.

9. Monitoring

The discharger shall comply with the Contingency Planning and Notification Requirements Order No. 74-151 and the Monitoring and Reporting Program No. R1-2000-91 and any modifications to these documents as specified by the Regional Water Board Executive Officer (Executive Officer). Such documents are attached to this Order and incorporated herein. Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.

10. Inspections

The discharger shall permit authorized staff of the Regional Water Board:

- a. Entry upon premises in which an effluent source is located or in which any required records are kept;
- b. Access to copy any records required to be kept under terms and conditions of this Order;
- c. Inspection of monitoring equipment or records; and
- d. Sampling of any discharge.

11. Noncompliance

In the event the discharger is unable to comply with any of the conditions of this Order due to:

- a. Breakdown of waste treatment equipment;
- b. Accidents caused by human error or negligence; or
- c. Other causes such as acts of nature;

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

12. Revision of Requirements

The discharger shall file a report of waste discharge at least 120 days before making any material change or proposed change in the character, location, or volume of the discharge.

Certification

I, Lee A. Michlin, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on November 29, 2000.

Lee A. Michlin
Executive Officer